

REMARKS

Claims 1-20 were pending and remain pending in the application. Therefore, Claims 1-20 are presented for examination herein.

Response to Claim Rejections – 35 USC 103

Applicant has reviewed the prior art recited by the Examiner, the Application as filed by the Applicant, the pending claims, and the claim rejections. Applicant respectfully submits that the Examiner made an error in his rejection of the claims of the present application.

On page 2 of the office action, the examiner states that the combination of Kumar (6,278,993) and Adams (6,334,145) teach:

“whereby the remote agent SW 183 is exported from the web browser to execute on network server external from the browser (25:45-26:67).”

Applicant respectfully submits this statement is in error and shows why in the detailed analysis of this cited text below.

Direct Quotation of Kumar 25:45-26:67

“FIG. 9 is a block diagram illustrating exemplary software components of a search-function interface according to an embodiment of the present invention. SW 183 comprises a data-search module 184 and an application-extension layer 186. Search module 184 is similar in many respects to traditional search engines except for the presence of a browser control interface 195, and an interface to auto-log-in function 197.

Control interface 195 is provided and adapted as an enhancement that allows interface to a navigation system for browsing known URLs on behalf of users. Interface 197 is provided and adapted to allow auto-log-in functions to be performed on behalf of a user upon navigation to a user-registered URL for the purpose of obtaining data requested by a user.

An input module 189 is provided and adapted to accept query data input into SW 183 by interfacing users. A parsing engine 191 is provided and adapted to read and understand data queries for purpose of further processing data requests. A database-interface module 193 is provided and adapted to allow interface to any connected repository to search for data that may be compared against a query for match. Browser control 195, as previously described, is an interface to a proxy-navigation system. If data matching a query is not

found in a connected database, then navigation may be required to obtain the requested data. Auto-log-in services may be performed during navigation to gain access to user-registered sites.

Search application 184, as known to the inventor, is not the same as a traditional search engine used for generic data searches on the Internet. Application 184 is enhanced for integration into the Password-all software suite described in Ser. No. 09/208,740 and the method for obtaining and presenting WEB summaries described in Ser. No. 09/523,598. A basic example of using search application 184 is described in the embodiment of FIG. 5 above. In this embodiment, Auto-log-in is performed during navigation to gain access to user-registered sites, which require a user name and/or password for authentication. Data is found through parsing and site logic scripting. The function of search application 184 assumes that there is sufficient pre-known information available about the data source and data location in the source for successful navigation and parsing.

Application extension 186 is provided to extend the function of application 183 to provided a seamless interface to a second search application which may be specific to an enterprise hosting a WEB site comprising a plurality of pages having URLs. Application 186 enables SW 183, in cooperation with a proxy-navigation system, to navigate to and commandeer the second search engine and cause that engine to search for and return data on behalf of a user.

A code recognition module 199 is provided and adapted to recognize an embedded search function held within a URL opened during proxy navigation. In this way, SW 183 may find any second search function embedded in any URLs subject to navigation and search. In one embodiment, such search functions are pre-located when a user registers a new URL to the service such that their parameters and location may be made part of site-logic scripting.

An application-activation module 201 is provided within extension layer 186 and adapted to invoke or activate an embedded search function. In some cases an embedded search function will be presented in the form of an icon such that when invoked, a dialog box appears as a pop-up widow or as a new URL. In some cases, a dialog box will already be present and module 201 may not be required.

A text writer 203 is provided and adapted to rewrite an original query into a form accepted by the search dialog criteria associated with the second search function. If required, writer 203 may restructure an original query to fit the new criteria in terms of punctuation, casing, order of words, association of words, and so on. In a Preferred embodiment, such rules are pre-known and are a part of site logic. In an alternate embodiment, writer 203 simply produces the original query for insertion into the dialog box wherein no restructuring is required.

A data-transfer interface 205 is provided and adapted to allow SW 183 to insert an original query into a provided dialog box by known techniques such as object

linking and embedding (OLE). An execution and release module 207 is provided and adapted to execute a second search function after a query has been entered. At this point, the data search function is turned over to the new search function, which returns results back to the proxy navigation control. Application extension 186 actively runs in conjunction with the navigation system in integrated fashion to achieve the main object of the present invention, which is to enable a seamless interface between search applications such that a deeper level of data searching may be achieved."

Detailed Analysis of the Above Citation

Applicant respectfully submits that the above citation fails to teach or suggest, as the Examiner asserts in the office action: "whereby the remote agent SW 183 is exported from the web browser to execute on network server external from the browser (25:45-26:67)."

That is, the above citation fails to teach or suggest, alone or in combination, as per claim 1, for example:

"a multilevel object factory coupled to receive a first input relating to said target web page and a second input from said multilevel search control interface, said multilevel object factory operative to specify a remote object agent that orchestrates a multilevel browser operation based upon said first and second inputs, whereby said remote object agent is exported from said web browser to execute on a network server external from said smart browser."

It can be noted in the above citation discussing Figure 9 cited by the Examiner and all throughout the Kumar reference that the SW 183 is a server entity that accepts search parameters from users who enter them via web browsers. There is no hint or suggestion of the user entering a set of multilevel search parameters and context based search parameters into a local software agent and then exporting the software agent for remote execution on a server.

On the contrary, Kumar teaches to accept a set of search parameters at a server from a user who is using a web browser, and to then, using a server side software process that was never exported from the user's computer or web browser, to use the parameters in a search, and to reformat and re-insert the parameters into embedded search engines found in the search on behalf of the user whenever the initial search does not turn up any results.

Because the cited art does not teach, suggest or render obvious, alone or in combination, all of the aspects of the Applicants invention as specifically recited in the claims, applicant respectfully requests the Examiner to allow all of the claims in this application for the reasons described above.

Summary

Claims 1-20 were pending in the application. No amendments have been made. Therefore, Claims 1-20 were presented for examination herein.

Applicant notes that any amendments or claim cancellations made herein and not substantively discussed above are made solely for the purposes of more clearly and particularly describing and claiming the invention, and not for purposes of overcoming art. The Examiner should infer no (i) adoption of a position with respect to patentability, (ii) change in the Applicant's position with respect to any claim or subject matter of the invention, or (iii) acquiescence in any way to any position taken by the Examiner, based on such amendments or cancellations not substantively discussed.

Furthermore, any remarks made herein with respect to a given claim or amendment are intended only in the context of that specific claim or amendment, and should not be applied to other claims, amendments, or aspects of Applicant's invention.

Applicant specifically reserves the right to prosecute claims of differing and broader scope than those presented herein in a continuation application.

Lastly, Applicant notes that any amendments made by this paper which are not specifically discussed herein are made solely for the purpose of more clearly and particularly pointing out and claiming Applicant's invention.

If the Examiner has any questions or comments which may be resolved over the telephone, he is requested to call the undersigned at (877) 235-0999 or leave a message at 305-437-7670.

Respectfully submitted,

Eric M. Dowling

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By: 

Eric M. Dowling
Registration No. 44,094
Interlink 731
PO Box 02-5635
Miami, FL 33102-5635
Tel: (305) 437-7670 or 1-877-235-0999
Fax: (305) 437-7670

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